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DESCRIPTION

Gene Encoding Promoter Region of Tumor Suppressor Gene

P51 and Use Thereof

*This application is a 371 of PCT/JP00/04261 filed
on 06/28/2000.*

TECHNICAL FIELD

The present invention relates to a gene encoding the promoter region of a protein p51 which is capable of inducing cell death, suppressing cell growth, etc. and a gene encoding the 5'-untranslated region of p51. The present invention also relates to a series of uses of these genes.

BACKGROUND ART

The tumor suppressor gene p53 encodes a protein having a variety of functions such as the induction of apoptosis, cell cycle arrest, the repairing of DNA damages, and the like. It has also been shown that p53 is a transcription factor which regulates the expression of various proteins.

Currently this protein is believed to play a central role in the control of cell growth. It has also been reported that p53 mutation is observed in about half of tumor cells which is mainly responsible for abnormal growth and resistance against anti-cancer agents.

Although no proteins were known that have a p53-like structure and function until very recently, but two novel p53-like molecules were recently reported. One

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